

PS -X Sony's worldbeating gamebox premiered











PlayStation...

reachine. Perhaps in years to come we'll see the PlayStation evolve into a multimedia station with a

games machine that also plays filtre.
Philips shouldn't be blamed for pre-empting an

machine that can play phenomenal games.

The melding of words, sound and pictures on a single machine to facilitate the disservination of

The future is almost here...

## EDG Size eleven

#### Contacts

Editorial

33 Monmouth Street Buth BA1 28W Telephone 0225 642244

Telephone 0225 4422 Fax 0225 338234

Subscriptions
Fature Publishing Ltd.

Tell Customer servi 0458 822510 Customer order 0458 822511 Fax 0450 274320

People on Edge Juan Brooks office Bob Abbett on color

Junen Brookes office Rob Abbett art office Gell Vines production Jez Bridgeman deputs Bearge Michael Andr

Name James II consultant miles Names Man James writer (Total Simon Man James Line Canadar Jame Sedder tonior tonio canadar Advertising fax 2223 400335

Advertising fax 2275 400325 Richard Gingelf production man Production has 0025 42711.8 Early McKlanes of design Clairy Thomas production contr patin Middletes propagation

production manager
ion Means program services
coordinates
Simes Wedser calour scanning
and manipulation
Exits Stocker calour scanning

and manipulation.

Chair Stocker ratious scanning and manipulation.

Simum Californias mono scanning Mark Elever one once sorvices.

Jason Trifley on press services.

Mark Careg publisher.

Colour regreduction Detrook Scanner, 17-221

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02 00

CD-I: Philips reinvents

The second, sexier incarnation of Philips' CD-i system, the 210 player (above), failed to significantly boost the machine's fortunes. Now another repackazing exercise is in progress. Edge sale: is it worth it!

#### News This issue, Edge iets off

the Far East. Edge tracks down















Comdex 64bit video adaptors for the PC, 128bit



Prescreen

Edge bones up on two forthcoming PC games, King Arthur deft) and Lish Place (right). Nice graphics, but will there be any garrender?







Edea's newsgathering force swings into action,

18 This month on Edge

Subscribing to Edge will save you time and

Edge previous the games most likely to succeed

Fighter II are this month's potential hits

PlayStation kicking in at the end of the year, Edge share their opinions about PS-X with Edge

Launched in 1989 as the first shot in the has been widespread indifference. Edge reports

Testscreer software circuit gets the Edge treatment

72 Letters

Retroview Edge looks back with longing at a classic title

Back Issues How to get those issues of Edge you've missed

Play the numbers game with Edge's listings

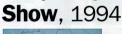
96 Questions & Answers When are FLOPS, for heaven's sales' Fiden brows. Tokyo Toy Show: Sega unwrap remodelled Saturn, page 8... Saturn games and first follorelesse schedule, page 9... Sony PlayStation debuts, page 10... SNK unleash No-Geo CD, page 11... NEC result new FX system, page 13... Allaints Comdex report, page 16...

# Cutting **Edge**

The very latest news from across the entire world of videogamin

# The Tokyo **Toy**

The Tokyo Toy
Show has always
been the place to
unveil new games
hardware. This
year, it witnessed
the birth of the
next generation.
Edge just had to











level of gameplaying performance began in earnest at this year's Teleya Try Stow, which took stace in early June. Sprowing across the femiliar expanses of the giant Maluhari Messe stadium in Toleya suburtis, this was the place to go

systems from Segs, Seny and just about sery videogames company ecopy Nistando they stage their own shaw later in the year. Suring the four days of the show, no less than seven rise hardware platforms joided unconfectally for position, Leading the pack, as predicted, were Segs, Not only did thy push the ...





### A huge Seture zone was Sega's main pell, but getting near it with exything that

+ slightly remodelled Seturn and its noftware, but the Super 32X add-on for the Mega Drive showed up too, proving guerdian at each screen on most of the

Sego stands, ensuring that snegged were most likely to officials, Naturally, Edds



fourth days, was devoted to

(punch and block) and two kicks were that Saga are redeveloping the game it looked nothing like the Sega-'development' videotope demo deing Les Veges CCS. Sega's other big name Setum

Enthusiastic onlookers huddled around Daytona car on a triand, inclined

Saturn software that leeked the most complete and impressive. The '3D soccer game' (Edge it) finally received a name - Victory dow - and it looked impressive by "dirkus" corners orgins.

Dragoon (the 'shooting game' seen in Edge 6 and 7) showed off the polygon performance of the Saturn admirably, demo (the 'action game' from Edge ?

















on polygon plotform game been some variety in the demos... for the Saturn version of Soga's Shinaetsu Furrerskan - a falls

detective adverture based on one of Japan's biggest summer films Finally, the snappily stind 'New Standard World' played host to a much sought ofter and splendid-looking. Shinobi update, called, in harroon with separ EX. In supposed to mean, but you'll find it 'X' or on 'R'. Other games on this stand included Quie Racer - a fast,

Desgite an impressive presence, now legendary sneaky CES tector, by making sure that all joyped leads went feet, the only visible Saturn systems

ago, and it new looks less games machine than Sega's

Lord of all he surveys: Sega's

lest. Henne Hokeve





The Salars game Glockwork Knight: Peppersoches's Ad and top) was one of the best titles in Segs's Tantary World









· multimedia stylists would like you to arrangement as their six button Mega Drive pad, but with do rigour SNES style top L and R buttons added. Although Sega's Mega Drive 32 was Racing Debuss, Metal Head, Star Wars permissing. Again, Siega's bouncers Virtue Series was exceptionally

recent Mega Drive gares, but still a toxium magging. Butlet Fighters boasts fast 3D graphics and decent blasting Model 1 game just reaching orcades -

Sony Computer

Saturn release schedule (90 titles are currently in develo



Sage: Vitus Fighter, Clockwork Knight: Peoperouches's Great Atherture. Shinori EX, Buttimonstors. Thirdway full-first dame (Concern), order game Copcomic Overshive (Zoom): fighting game Clarics. Sub-

Segs: Victory Goal, The Waves Of Febble Beach.

Greatest P. Masters, Sankethal Seture, Virtus Tennis, Thirdawty: Socoer (EA Victor), 40 Baxing (Victor

Segle: Plansor Diagnon, Deadlus, Doors, Tomost Alley Saturn siniparty: Cetion 2 (Success), Museshi (Bell) Segai Daytona USA, Guile Racer, Virtua Racing Saturn Thirdparty: Virtual GP (Atlas), Race Drivin' (Tenges), US Sega: Sire City, Econ The Dolphin Sature Thindparty: A.N (Artidino), Device Statiline Sature (Appli)

Earth, Fantasy Earth, Rignoud Sage Dániparty: Recruide Triangle (Asic Kodansho) Segle: The New Depart Mansion, Chinese Detective,

Thirdports: Most (Sun Electronics), D-Game (Medio Entertainment), Fantasy Gallery (Media Entertainment), Septer Standards, Side Product, Lucy Cardino

Shanghai TV (Sun Electronics), Matjorg Monkey Incha







time, in glass cabinets throughout the show. No working PlayStation software was on display, offhough many and Human, made clear their intentions

version of Anger Rocer as a taste of things to come on the PlayStation.

The assault of new hardware just

years after the introduction of its still romarkably outling-edge Neo-Geo

seven megabytes (56 Mbits) of DRAM

haven't released a separate CD-ROM desperately poor) Noo owners might be ligged the Video RAM in this new can assume that a CD-BOM addon for

The octual launch of the hordwore took place near the show hall in the Prince Hetel, where an audience of reagazine journalists (inined by Edge)

presentation was kicked off by an SNN



oo's Aligie Recer was on view, but only in arcade form, However, coin-up whetlad the appetities of potential 32bit Suny owners



o'l affect Neo-Geo games? Here's the solution - Neo-Geo CO.



### unneiling of the new SNK hardware. The

words, the day of affandable SNK gemes is at hand.

#### Perhaps the .... surprising hardware pre-purcement at

custom LSI chip for data leading, etc. However, Bandai are targeting it at the NEC had one of the higgest and

















Identity parades to find the real Class Li and Carery

Dehind the huge stage, two genes.

words

realtime realtime as we call it he's realtime you can

under a realtime 5000 12



#### Over the wire

technology will shape the news of the not-too-distant future...

From an idea by Feel Doseis

Applicates to Robert Walkington, who did not

in Båge 8.

# FX: NEC's new

NEC's 32bit successor to the PC Engine is a very strange heast. Edne was treated to a hands-on test in Japan

# challenger

marbine race, and new MIC Originally dubbed the Tetsuin (Iron Mont project, the FX system is the FX is a 32bit CD-ROM machine with the potential to play cutting-edge games, in



Edge How many Totsopa Igachi



Edge When did development on the FX project start? Edge When will the EX be released? Ti We'll release it at the end of November in Japan. We don't know are difficult to sell, so we haven't come Edge How much will the FX sed for?



The FX's design is strongs for a games machine - the functifact, since last month, when Edge



spoke to NEC Avenue about the PC MEC's retrained software area). Mr Sheet, have hold Edder 188 the recovered game uses 30 technology and all of We're really very excited about the potential of NEC's new machine." In late Max, shortly before the Tokyo Tox Show, Edge visited NEC's Personal Electronic Products Division in Yetsawa igraphi from the company's

different projects? was the name of the previous project FX. The FX has a different CPU, and some other details have also changed. Edge Which thindourly developers have signed up for the FX project?

Edge How much will the software cost?

hope that it will be roughly the some price as it is now - between Mi. DOO

Edge Here NEC the only company





olus Hudson and Hunes. The thinksorts Edge How many titles are now in progress. But we can't say which

company is developing these projects -TI It's a VB10 made by NDC, cadenced

at 21.5MHz. The CPU doesn't have a processors, etc.) make the reachine is Edge What's so special about the FX? TI I'm a DAM (Sport marrow access) machine. Data coming from the CD port via a sequencer, an image processor - including a rendering chip and a video encoding processor. This allows very high-speed animation. This Edge is the machine MPEG or JPEG? TI JPEG, in our gainion, JPEG offers a

Edea How many sortes can be Edge Doos the FX have a polygan chip? hasn't got a dedicated polygon chip. In

machines which have a polygoniser, a problem for the FX. Edge Will the FX be competible with the PO 66 seday? (PO 66 is NEC's own PO

Edge When will development tools be manage and the control of the contro Ti The first tools were available at the

Edda What will have on to the PC Engine when the FX arrives?





























Edge How many FXs do NEC expect to Ti We plan to sell about 50,000 Edge Which company do you see as your biggest competitor? TI We think Nintendo, with Project

. but we think the sales of both machine

systems... We want to create a link between all these different products Edge Who is the FX sirred at? TI High-school students or older. Edde What chatribution channels will sold as a garees machine, although it

Edds would like to thank MEC

Q p c





GP CI	caderood at 21.5MHz		
Memory	Main 258x; VRAM 1.2588x; ROM LMb; CD buffer 256Rb		
esp memory:	32K SRAM		
Our:	Pull colour/fullscreen; 30fps; full son		

background screens 7, Rotation/enlargement/ Video colear lenge processor



Rotation/enlargement/reduction

Pedi





# **Comdex** spring show report



The Comdex show is the biggest outside Japan, attracting hordes of Mac and PC felk to Atlanta. Georgia every spring, Edge joined the throng,

Probably the



irragins at a resolution of \$024 by 766

graphics accelerator chip, the Imagine



healing to find something of

relevance to the names world





Astodesh's new 3D Studio addres, Festure Universe, contains over 400 textures, making the bootselling graphics package even more versatile

scene. With over 400 textures on a viewports, inveSpace's main advertage

under a minute on a powerful system.









Late news, late games and the contents of a very, very late package full of game shots

managed to port over the look and feel of the coin-op almost perfectly, but they've managed to crem in all the

released on 24Mbit cortridges, this Mortal Roombal II is already shaping up to be a big seller.

Saturn cares in for a bit of a kicking this month. Edds heard that descioners. incomplete development systems and its party (5.90,000 polygons/sec performance. Difficult to be impressed

A left can happen in three months. Take example. Three months back, Road

show off the power of the 300 recurtainous coastine - but there's mechanics - all too often, cars appear



There's some had news for these planning to get an officia PAL 100 later in the year. As EC impact duty of 14%, will hit Panagasic's pricise of the 32kil system, making it impossible for them to get it on the streets for under £4 - private imports might undercat the UK price, though

few frames, making it a tad jerkier, but

Mintende Insiders rection the company's Chicago CES line-up will be











#### og op: Artificit's A./V has a pol PlayStation games are exacting up: Artmin's A.-- was a proper lieft: Metal Jacket (right) from Pony Canyon also has great 30







Reiders CD, Surgical Strike CESI

Co-processing High annual ESSC processors and dual from

Colcors: Marrery 4 Mbit FAM in addition to the Maga Drive and Possible to overlay a plane of graphics over Maga

Author Stereo, digital audio with programmable sample rates; audio mixing with Mega Drive sound





## **Date**book

Computer Networking Exhibition Networld Interiop, Tokyo, Japan, Monday July 25-Friday July 29, Call Interior Europe on 46 39 56 56 or fay them on 46 39 56 99 for further

#### Financial Times Conferences On Multimedia July 12-13. Call 071-814 9770 September

1994 VR User Show Tuesday September 13-Thursday September 15, Novotel Hotel, London, Last year's bestattended European VR event. This conference is a of virtual reality technology in design and medicine. Trade show only. For further details, call Gerry Murray at the VR Centre on 081-995 3632.

information.

Live '94 - The Consumer Electronics Show September 20.25. Earls Court, London, Not to be confused with the American CES, this is the UK's showcase for all things electronic, backed by the corporate muscle of Rupert day) £4: adults (weekend) £7: accompanied children £3:

information call 071-782 6893/4/7. **Business Computing Exhibition** Tuesday September 27-Friday September 30, Olympia, London, For more details, call Montgomery Exhibitions Co Ltd, who are based in Richmond, Surrey, on 081-948 9800, or fax them on

#### October

Information Systems Exhibition, Tuesday October 18-Thursday October 20, Earls Court, London, For more information, call the show optanisers. Rienheim Group etc. on 081-742 2828 Acom World Computer Show Friday October 28-Sunday October 30, Wembley Exhibition Centre, Call Acom.

Computers Ltd for further details, on 9223 254254 The Entere Enterteinment Show October 26-30. Earls Court 2, London, All the latest in computing and interactive 31 will be entered into a £100 prize draw.

w organisers: if your show isn't listed here s only because you haven't told Edge about it 46019, or send details to Datebook, Edire, 30 outh Street, Bath, Avon BA1 2BW

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# Demon's

# Crest

Capcom have an impressive track record on the SNES. Edge looks at another game to be added to their stable of thoroughbreds



istary, as they say, has proundbreaking parter Fighter II - went on to achieve wide

Fighter II garne edattorm name.

Gargoyle's Quest for the Game Boy, Demon's Capcom - even at this early stage, the



start, it beasts some brilliant play ledges, jump and eyes boyer for a few

joining games like Wildtray and Super releases. After a lean period, thing



Demon's Crest look like joining dames like Wildtrax and Super Street Fighter II among this vear's best SNES releases



## IIth Hour

I I th Hour is Trilobyte's follow-up to the hugely successful 7th Guest. **Edge** crossed the Atlantic to see the game and quiz its creators

Format: PC CD-ROM
Publisher: Virgin
Developer: Trilobyte
fease date: October 1994
Size: 2 CDs

Origin: US

a solid gave to launch
Is, On the Mega CO II
was Thunder-Navik. On
the 300 It was John
It was Targest JSOO, And the
that yet mythmedia PCs on the
string the second of the second of the
second of the second of the second

sale – despite being two years old That kind of success meant that a sequel was inevitable. Graham Devine, president of Gregon-based Trillabyte, actually

follow-up. Sixt when the seam started coding the spain, they found that they cealed's resist moterities it. As a revolut, the project has gone through several transfermations since it was religible. In the same stime Trillayste has grown from a company consistent of all for the project into an employer of all for specified in the same stime. Trillayste has grown from a company consistent of all for several several several several several seminary of all for several several

"Most of the story relies on surprise and intrigue rather than straight violence, but

it's not something you'd want a six-year-old to see'



The LITH Neur mansion has been designed with four secret tannels. This one (which



Go up the other staircase at the back of the bease and





#### Irtickyte aren't worried about media reaction to access like this (above and top right). They say they've making games for grown-ups, not Livear-olds

producer of your TV series, has succumbed to the mandar's mysterious lare and disappeared. The object of the game is to rescue her by beating all of the rull house's payzies.

### The main criticism directed at



he claims.

some applications, box, box along more applications, box, box along more of along the particular terms.

but will there actually no applications are only "There is the same number of the particular terms."

gluging a haran now, rather of gluging a haran now, rather of gluging and provided the provided and provided

feedore: There are four secret passages, plus over 49 treasure hunts built in, and that's part of making the game more listeractive. Everything in the house can be grabbed as a solution to a treasure hunt. If you grab the verony item you get sourceld; if you go the right one you see an animation as a partition of divarias which left up to the next the partition of the partition of partition of

### Much of 22th Hour revolves







This shall (middle) recepts its way out of the but. Make the wrong move and you've likely to come to a sticky and (bottom)

of the game, But although Trilobyshave soot the FMV is 12th Moor an means of creating atmosphere, 15th clarifice in many other CD gamesh as essential game of the gamesh as essential game of the gamesh as essential game of the gamesh as you pay close attention to the various charants that are played ent as you search for Robin.

There's an email: FMV here: — 45 relinives' worth — that the data wouldn't fill not a single CD and the woode's 15th ords a single CD and the

wouldn't have been possible.
Trilobyte's FMV is achieved without
any additional hardware, using a
population system counted by Goals





While MPEG uses floating-point

The graphics team, led by veteran artist Robert Stein, used 3D Studio,

Many of the rendered images in

While visiting Tribators Edge is told that representatives of

'We didn't aim 11th Guest at the obsessive gamesplayers. We aimed it at a mass

audience and they loved it' States States, had programme









### is in 11th Hour are what they seem, in

'Inevitably it will happen

### Trilobyte have

nest few years," says co-director Reb Landergs, "When 100 first started it.



programmer on LLth Hour (above right); James Yoketa, the o's producer (top left); and Subort Stein, lead artist, labour



### Another trip of puzzine; the object of the chose one (above) is to swap

Producer: James Yokota Lead programmer: Graham Device Lead artist: Robert Stein Video director: David Cresswe Music: The Fat Mar Script: Matt Costello Script/Dealan: Rob Landeros

# Virtua

It's the most technically advanced fighting game ever, and it's on its way to the Saturn. **Edge** wonders if Sega's new machine can match the coin-op **Fighter** 



F

irst, a spot of Irety.
When Street Pighter II
appeared in arcades in
early 1991, some
games magazines
dismissed it with the
mical jeering that
and Waterman enjoyed

releases was reviewed by the specials, music press. Sizeer Flyster II is dail, dail, dail, it is sourced one happies journel. Indeed, Street Flyster II is all, playability teak time to surface, but once its qualifier became desirun, the garanteem propertiese. And many wood is say the same their join new happening with Virtua Plyter, about on a smaller cabe. In more meetin, Japanez celein on fase have gone cross over the pame, and what was initially.



### The research and development team responsible

AAC2, and the legendary Sega disis also handling the translation of game to the Saturn and Mega Dr 32. At the moment, the Saturn w shown here is only 30% complet the crude and blocky fighters are simply preliminary designs, produby a high-restabilitie development, which lets Sega concentrate on excitations the archimitation of the



Virtua Figities is only 30% complete, as these development charact and bankdrops above the polygon count will rise considerably

characters before moving sets increasing the polygon count. As revealed in Edge 9, Saturn Whata Faptor Obtainety, in Europe the game's title features an 's' as the residual took less ordered them.







#### Den't be put off by the quality of those initial devo image above has been set up to show the game at only 18% completion

Even with a reduced number of polygons, the Saturn technology is capable of applying textures to individual polygon

surfaces' To Separa, manager, 1947. manager Hirashi 'Yu' Suzaki points

adding ket a few





of Akirs and Sore by AM2 could be the Seat atom towards Virtue Fighter 2 explains project leader Keishi

Okayasu, 'there's a lot more pressure



### Dimension

### **Creative** Designs DCD talk to Edge about their new, fully

Legerals Of Valor have done their

Name: King Arthur The Quest Of The Fair Unknown Format: PC CD-ROM DCD

se date: Nov/Dec Size: I CD



destined to debunk a few myths

rendered CD game, King Arthur, which is

player," according to Key Balmer, the







### Considering Mortin knocked up Comelet evereight, he made a pretty good let of the alexanyors, (The other caption look decidedly can from though

which gives it a very cinematic feet

'A lot of people think they can stick any monkey down in front of a Silicon

Graphics machine and get good stuff from it' Ber Balens, CCT

The game is being created for CD-based systems using PCs and

make-up, rendering, paint, and hand

Impressive - and there's not a Sifices Graphics workstation in sight

advectore game format. Key feels that

Designer Key Butmer Programmer: John Wildsmith Graphics: Nipel Bunezar Graphics: Matt Stott Music: Ben Dagleish



The third act of Origin's PC magnum opus finds the Kilrathi forces on the verge of victory. Edge is on the scene



Commander 3 Format: PC Publisher: EA Developer: Ori

2 CDs Origin: Uf



MCF is the last part of the Torran-Kärathi war sage. At the start, the

The in-flight

sequences

are looking gorgeous... even in VGA. the game still looks better than anything the PC has ever soon



Chris Roberts, the creator of the

artists to draw all the static graphics,





the buge capital ships (above and left)





Fresh from its arcade success, the Super latest game in the long-running beat 'em up series hits the SNES

## **Street Fighter II**







features. Edge doesn't think they'll

Capcom have ione a good iob of replicating feel of the

could have









on Li throws back the present Bye beaght her for her birthday

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4th Nev
27th Re-Nevel Out Sethish

7-12th Nov
Clitton Moor Ceritre York
14-18th Nov
Metrocentre Clateshead
These details correct at time of going to



In 1988, Sony signed a deal with Nintendo to make a CD-ROM player for the videogames glant. The result would have been a Super Famicom-compatible console called the **PlayStation** 

It was intended to secure Sony a foothold in the videogames industry. Yet it never happened. So Sony went it alone. Now the **PlayStation** has been reborn

With a Japanese launch less than six months away, and a hardware spec turning the heads of the world's best software developers, Edge wonders if this could be the start of something really big

# Sony PlayStation

### Tech Specs

R0003A 32bit RISC chip @ 33NH: Clearing capacity: 30 MIPS Bus handwidth: 132 Ma/vec 3D Geometry Engline (Hiph-speed matrix calculater) Clearing capacity: 66 MIPS 1.5 million Risk-shaded phyponivec

Data Engine Clearing capacity: 80 MIPS CPU, direct bus connection Compatible with JPEG, MPEG1, K.261 files

OPEM, 24 channels ampling frequency: 44.1Hz 16.7 million celours Resolution: 256x224-640x400 Spritn'UG drawing Adjustable frame buffer No line restriction

1,000 Ball pinel sprites with individual scaling and rotation Sinultaneous backgrounds 500,000 polygonules

ais RAM: 16 Mb/Rs RAM: 8 Mb/Rs rand RAM: 4 Mb/Rs J-ROM buffer: 256K

-ROM buffer: 256K erating System ROM: 4 Mbits iM cards for data save I it's not realtime it's not a gene.

Thus spoke Aldem.

Sate, director of Sony Companies
Estartainment.

(SCE), This statement is an important on the logic behind the \$500 million that Sony are reputed to her such loss development of the

(SCE). This statement is an important clase to the logic behind the \$550 million that Score are repeated to have such into the development of the Phylysiston – scheduled to go not sale at the end of this year in Japan and next year in the US and Europe. "What IFS-X provides is restricted movement on a games reachine, dains Sony. This gives the succorner a death Sony. This gives the succorner a

new type of game quite different to anything that has existed so far." Since Sony started showing off its hardware to developers, exclorement in the development community has been mounting. In Japan alone, 164 thirdparties have





signed desalogment contracts (56 of those are still to assocurce their identity), in Europe and the US, the breakthrough format has been Akbaugh developers are still circurscribed by comolex nondisclosure agreements which prohibit there from Aprilating specific des about the machine, a couple of arramed decidency have asse

Edge that Spry's machine in a class of its own: 'It could do Got without breaking into a sweat and without disc access,' said one 3t's going so revolutionise the way offered another. Even though Sony have virtually no track record when



it comes to the games hardware business, they have already convinced industry that their platform offers that's a seriously big pull for an industry that's been regurgitating

### Sony's research facilities in Isoan have long explored different technologies in the fields of

and animation. The development of the PlayStation grew from a number laboratory dealing with broadcast videotage recording and digital picture processing techniques. concepts about the kind of garnes future," explained a source at Sony Cornquiter Engotsaloguest, 'we

decided are top what kind of otherwise could embody these discoveries. The BSX began when we brought together various geometh directions and ideas about companies with enhanced performance." Sorry Computer Emersioners was incorporated in Japan in mid-November with joint capital from Sony Corporation and Sony Music

250 people working on the ManStation project, around half or properties with the resultable called more assessment arms of they bear Entertainment John and Sony Cory

Drug in the last few weeks have SCE's marketing and public refu departments been kicked into get held in Japan during which vicepresident Teruhisa Tokunaka reachine and talked about Sorry's plans for the system. To convide with this, Sony placed a two-page

Japanese garning and consumer magazines, revealing the PlayStation's design and using an unconvincing lovgeda Yuletide release. More recently, visitors to the Tokyo Toy Show look at the machine.



As first revealed in Edge 6, the PS-X isn't being targeted at the rudtimedia sector; it's a games of a workstation. There are longterm networked (with the aid of a serial Sony have decided that the games market is their prime concern at the would be the biggest regress for this year or near year - what kind of entertainment our outcomers, would want - and decided it would be games. The Japanese horse game

software - is worth #500 billion (C) I silling). The American rear twice that size and the European rarket is one and a half tirees that sire. So the concept was so provide furdamenand addpoore sexual at this market What we didn't want spid on simply have in deal take a fine the expense rurber systetion is a formalishle be-

Sorry claim that it has a cored processing capacity of around 500 million instructions per second (MERS) - as a case comparison, 14hir. consoles like the SNES and Mega. Drive can handle around I MPS. As the heart of the system lies a 32bit. RISC CPU (as R 1000A running at 33MHz). There are also four other processors: a 66 MIPS high-speed matrix operating processor (for

'We considered what would be the biggest market what kind of antertainment

our customers want - and decided it would be games'

### 'There is no real difference between the Famicom and the SFC... the hardware being sold today is getting on for ten years old'

graphics processor for displaying sorites and polygons at 60 frames a second; a sound processor for reproducing CD-quality sound; and

an 80 MIPS data expansion orgine for decompressing graphics and sound data from the CD-ROM at high speed. Having been brave enough to convricthemselves to CD-ROM. Sony have designed a system that will effectively ease the traditional problem of slow data transfer

videograms market has stamated and that garneplayers are waiting for a reachine like the PlayStation. 'In our opinion, said one Sony official, thus is no real difference between the European and Super Engineer, When the famicon came put it had a Puge could play compager garnes agreeme You could stay at home and stay the garnes you used to in arcades. But the same kind of impact water's felt

when the Super Famicomycame out. El the SFC has offered in an extension to the Famicarn's errance the carecal



With Namco's Cyber Sled siready on its way, it may not be long before just like they're played in the arcades.

Sony's sales projections for the PlesStation in lasen are architious, so say the least between

unually on different to the stuff they'd on the Famicore, Not on it, the hardware being sold today is gesting on for ten

Sany's comparison with the Super Famicorn is set. In more wars the PlayStation reflects the design sensibilities of the 16bit Nintendo:

pellow and blue logo, and the superbly ergonomic joypads It's clear that Sony have tried to ensure that the PlayStation provides the garner with everything they could possibly want from a system. The cyped is a case in point. Following

and R buttons at the top of their SNES and Snew have gone one sten further and slapped another two possible for the player to access awkward, if not impossible, to

Another worsky innovation is reamony cards that plug into the garne data to be saved. In-built SRAM, as used in the PC Engine Dut and Mera CD, soon yess filled, so

Sorw plumped for IC-card technology available with different memory sizes capacity of around 1 megabit

feature by far, though, is its multiplayer link-up popergial. The so enable it to be connected to on the way which will allow up to size marking to be linked together at once. This provides opportunities for creating phenomeral software.

















Whiteas fans should enjoy this BCE homogrown title, Policies's Circum e 24bit backgrounds and should be available at launch

with a further two relicon practicates While Sony's marking will naturally be on sale in the traditional retail gaves cutlets in lane. Sony are planning to use their own. network to get the reachine into record and household spettifice existinhed retail games distribution Sega as long as their bubicess is based

on ROM cartridges,' said Phony insider. That it will been to challen

'Mario was necessary for Nintendo, and Sega needed Sonic... We should nut out a game we can use to symbolise the PlayStation'

public.gyr: The business mon't work unless these are shope which children have traditionally tended to very or send number of southle serves as Soro's plan is to release abuse pro-

than proudling a busin diversity of impact that convinces customers the software which exploits the PS-X's Unless we do this, they may as well

Edge 8 for an

characters, and these paints be used in a contoon or video. We must









with artificial intelligence (SCE) movement on the same plane (SCE) underwater world (Artifick)

Fid his charging developeration than	The PlaySphilon's price is
Segs of Nintendauda: We've	stephone Sans are keeping close to
considerate the producing weldon't	their statist upol reducer the latinch -
Mark to cut their patrice is citedy to	all they have said in that it will be less
sell more perovaca is Sonyhare their	than \$30,000 (4000). Mit insiders are
to mateurerosement forts as	classification a price of Secureon
Mondate as possible enderstanting	bns grafit and represent a 000,00000,000
and bross social weigh in at around	an even lower figury is being souted.
W1.5 drillion (£10,000) in Japan.	With Sorry tagesting the
This approach to followere	PlayStation at the 12-22 age range.
development means Stary have	price is everything. 'If we don't get
attracted not only big, well-	these customers, we're finished,' one
established companies like Capcom	source confided. 'Of course, we
and Ronard, but also many new	would also like to attract people
software developers and,	younger and older than this - even
encouragingly, the UK programmers	games designed to be played by the
associated with so many classic 85tt	12-22 age group might be acceptable
games in the 1980s. 'That's	to a more mature audience. But
something that's very important,' say	that's in the future. If we don't focus
Sony. It's our mission to foster new	on the main target consumers, we
programmers. Once people have	won't be able to sell millions of



it until they become bored with it, or

it becomes obsolete; software is the

single most important factor.



millions, we won't be

software houses."

attractive to thirdcarty

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	THE STREET

### Namco

The creators of some of the best arcade games ever are also backing Sony's system. With a catalogue of legendary coin-ops behind them, they talk about their hopes for the PS-X's future

asically, we are committee to making P5-X games at third party although there is some technical co-operation with the arcade products too. Sery will be set lin P5-X as a games machine and w

PS-X is a gener reactive and we support 90% is how hearthy as a support 90% is how hearthy as a polygon 10% is how hearthy as a 10% is 500p. Loaht convened on any dismolated in the catalogue spaces of the 95%. It is a success of the 95%. It is a success of the 95%. It is a success to give an advantage of the catalogue spaces of the catalogue spaces of the catalogue spaces. So the catalogue spaces is placed and in the catalogue spaces to the catalogue spaces. Did at all the catalogue spaces is only the production, we can also convent franchist Catalogue with the production, we can also convent franchist Catalogue and so convent franchist Catalogue and catalogue convent franchist Catalogue and catalogue conventions and other people as a fine convent franchist catalogue can also convent franchist Catalogue c

Strategically speaking, we must consider development not only in Japan but also in the USA and Dursps. Nistendo have the lighest market perstration in Japan but. Sepa are ahead in the the USA, pa-

disentified deedspaned, yet mustrit only deedsp for one yild of Narham. However, shore are lifeting to care five for the yet of yet o

there may be a teneggy-or swittly. The software will be an important factor in this. Although we may have reached the point where improvements in hardware specification make.

demands on development act Na, that deservit mean that the sharelpost of the games developer has changed. The only change that has taken place is that we can now do things we couldn't do before, such as being able to exploit CD-ROM to

> Games are not simply matters of lotting 3D and CG. Even with the roved performance, a game like ris will still be fun to play on the X, so it's not necessarily the case I big companies will survive and

The second of th

and this will insolve galliderable new investment. Large companies will be foogland this bender as much as the meanthing ready in since for the issued ones.

In the meanthine, we hope to have something ready in since for the laweely, as well as ceedingly to develop for the Mega Chive and Super Familion, which are duling

NB: See Edge 8 for an interview with Namoo's R&D department in which the development of Ridge Racer and its conversion to



Will PS-X Hidge Riscer Include Rhige Racer 2's tweplayer mode? (ereade shed)



Starblade (arcade shet) will be trans into a new PS-X version, Starblade ()



### Capcom

### After creating some of the most polished games for the NES and SNES, the Osaka-based company has set up a new R&D division to focus on the PlayStation. Will a new Capcom emerge? for 3D graphics, but there are no

o have decided that there are PS-X, 300 and the other nextcomment on titles set. In the case of

an announcement as soon as the At the moment, we've a softwo

Twace has been decided company with no next-preseration fluore, but we will not graff

apply softwark for the reest page to counts reflected for that, but if the market expends by 30% and Nintenders share falls to 70%, then superprop software only to Nintendo

> is to adapt for a range of hardware. Also, developing for a range of

> technology. All the next-peneration features which are overwhelmingly reachines, but without experience,

development for new hardware is serv difficult. The PS-X is the hest

and producing various place. Development Limes are unpredictable, so sa don'to what corner will be released first for the PS-V. This is the case whatever the bardware - when we started

It, It will take three to be sent to use it effectively. For marriele. the quality of the first Famicen

sames was quite infedor to that of the later games. And the same was true of the SEC and the Mega Drive The problem is not the backware but how software houses can make

use of the hardware. We can't make any assessment of the hardware until we are able to use it properly. The P5-X's CD-R0M will make

software cheaply, which will benefit our customers. It also means we can development stage of the software.

games are sold in toy shops and if they can't buy two games for

CD-ROM will lead to a attempt major projects in which people who have talents in art part in creating games from the 'children's tops' at the moment, but therearket is aging to expand. With

Sandy and Mercushits coming onboard, crescles will be regarded marries dispersitic appropriates, and adults will be reary Unely to buy there were the CD is a feature The new exactores are called recardingless if the games for them are boring. If we don't produce enjoyable garres, the market will die. The manufacturers themselves feel that the altustion last year.

when there were only a few will collarne if there is a run of years with no principal software, so an equirement in which it is possible to

carry out segoing development set! games come out are the







### Konami

### committed to the PlayStation. It is also rumoured that the company's deal with Sony extends to arcade-based projects

ur basic intention is to create co-operation as well. The hardware

reason for not participating Price and distribution details have not been made pools; yet, and we can't divulae anything theat complete. But we intend to produce satisfiare that hill not disappoint the concurrer. We say to atte to reseal

coorybrise in the summer.
Schedules are very tight but we are trying hard to be ready in time for the launch. We don't think we'll be able to exploit the hardware of re-unlikely to be able to draw erformance from the bes but what a year or two yes

120% of the performance. continue to learn about should eventually be possible transfer arcade partes without a quant perhection in quality. As we non

hardware specs. Games won't all opportunity for producing fun games

responsibility of producing really enjoyable garnes is down to the people who produce the software: us.

basic task will reation to be to design and develop software that es what our customers war povisable that some software will We don't yet know for certain how the Plan Sertion will memary with the other pext-generalism

machines. We consider the quality of the software to be a more important. issue. Some of the new muchines will loosed artistarily for sames.

There is no clear definition

difficult software to develop is be adaptable to the multimedia ace and smaller companies, who lack

same as for any other machine. Our industry will not be destroyed

will be over dominant more quickly If the surbware is good subsing by the propress of previous hardware, it will take at least a year fo erage customer to assess the Yest seration machines, unless there is We want to create



THE ULTIMATE GRAPHICS.

CDI AND CD ROM.

'LIVE' COMMENTARY.

TWO PLAYERS.

INTERNATIONAL TENNIS OPEN, the award-winning name from Philips, is the most life-like tennis simulation



mid 31st America 1994. The draw irself takes place on 1st September 1994





The CPI is in many ways the poor relation of the CD family. Conceived as an all-purpose multimedia platform, it has seen its birthright plundered by its more glamorous console cousins. Edge follows the format's fight for

self-improvement



## Philips reinvents



t its learnety, Phillips' I Abis CD-i machine was revolution; an allsinging, all-dancing CD

system that would provide a short cut to optimism soon faded, though; in a market that was demanding pure games the same face as Commodore's abortive CDTV. Now, however, against all the odds - and thanks largely to a £3,000,000 arboration hadout - CDJ serves to be undergoing something of a renaissance. generation' machines on the horizon,

enough to ensure the formet's survival. CD-i as a concept made perfect sense when it was first mooted in the read 1990s. Despite Philips' collaboration with Massushita on the development of the Digital Compact Cassette (DCC), the Dutch-based multinational recognised that the CD (also created by Philips. consther with Sorry was the medium that

would dominate the foreseeable future upon them. Video, photographs and application software were starting to be stored on CD, as well as audio recordings. This made a truly multimeda system a viable proposition. With audio siresty well established in the marketplace, Philips' reasoning was that it

wouldn't take much to persuade the public to make the conceptual lead between the simple suclo CD and its multimedia offsoring. Although CD-I wasn't launched until the end of 1991, the first provisional spec for the reachine had been issued more than five years earlier, in June 1906. Philips and Some then proceeded with

November 1988

spec, which came to be known as the Considering the current ferocity of CD platform rivalry, it's ironic that three of the biggest corporations involved -Philips, Serv and Matsushita - announced

in May 1989 that they would join forces The promotion and marketing of Interactive Compact Disc was given as although the aim of further technical factor, However, corporate politics eventually saw the alliance dissolve. Throughout this period of development, what Philips envisaged

finally marketing to the consumer was a player that would simply link into existing initial, deeply mundane styling the

featureless box, which could be placed or top of a VCR or added to a N-4 stack

follow the model for audio CD, which during the period of CD-i's development had completely overwhelmed sign. It was a reasonable assumption on Philips' part that. the surfaceD CD CD-I would first make an impact on the middle to upper income. brackets, consisting of people with relatively mature and conservative tastes.

before beginning to penetrate the Sower' What we discovered from day one." says Simon Turner, senior vice-president, Europe, Philips Media Distribution, 'in that our profile is absolutely a masswarket profile. Right from even the first year we incomes of below £17,500. Right now, if I look at our owners, 42% of them are fun readers. We have a profile much more like

growth in the audio areas."

And what that basically translates into is a demand for games. The first ...... CD-i player, the 205 was burnched in the LS in October 1991, with a UK leanth in May 1992, it was superseded it within a couple of recetts as manufacturing costs came down, although

offerences between the two. In line with Philips' preconceptions about how the market would behave, it was designed as a multipurpose player. It was not designed as a garnes engine, Simon Turner coefirms this: 'k is ripe supposed to be a games maching If was

news designed to b 'It needs to have a and you will please d range of FMV position is a A goos naterial. Provided

as the poor stands of anti-tome antible at laurach and the it's a format that will the 220 player as a continue to grow' mare CD-I was

outclassed by Segs and Nintendo. To Philips' credit, though, especially considering the detacle of the IDO and CDN launches, the company managed to three dozen titles available on the Issneh problem was that few of them were Julian Lynn-Evans, Philips' sevior vice-

president, games, admits: 'I think it's fair to say that Philips didn't properly appreciate the key role of games in their software. catalogue. They sidelined games

Of all the features that ensured the reast glaring one was probably the provision of only one joystick port. (hodeed, the best-selling game of last year, Informmes' (international Tennix Otton. initially only had a oneplayer option.) There that could be used for a second joypad, but It spok quite a long time for anyone to actually realise this. Then there was the joyped itself. Philips initially experimented

> control device modelled on a TV remote control, which joypads ever foisted

Peter lase, tings - drawbacks were rectified with the launch of the far more. ergonomically designed touchpad controller, and the addition of a dedicated second port to the refined 210 player (which also bousted a far sleeker design in

recognition of its increasing use by But other problems remain. The CD-I consumer model (which conforms to the the Base Case system, co-authored by at only 170K/sec - just over half the speed of Philips' crains study, like 3DO. And these companies are themselves going to have trouble matching the speed offered by new storage media currently in development, so develop CD-I software. For example, when

animating images in DYUV, the most

powerful of CD-I's four graphics modes.

The Philips 450: CD-l's next step

Summer CES in Chicago, is the next-generation CD. i marbine. Technically, there's no difference between it and the 210 player - all the changes are purely are placing (albeit belatedly) on the games market. One of the criticisms always levelled at the 210

is just not sexy. The design of a product is a crucial part of its overall marketing, and Philips have specifically targeted the 450 at the 16-25, predominantly male, gamesplayer, The company are also marketing a restyled, dedicated DV

cart to coincide with the 450's remote control options.

The machine comes with a the US for \$299. A UK bunch is expected at the end of August, with a retail price of around £300.







which offers true colour from a palette of 16.7 million, the 170K/sec limitation would mean the display running at 12.5 frames per Olay, so the MPEG compression routine can becam this problem, but anything fur. 1.5Mb of onboard RAM, which can lead to 'Basically,' says Denise Proctor of

Of ... music disc for CD-i. 'because you've with, you can't always take realtime images reservery so it's there immediately you need memory to the best ability, but it's incredibly difficult

According to Denise, 3Hb of RAM would significantly easo the problem, but juggling is a way of life for CD-i programmers - balancing the available memory in BAM with the four different graphics modes and four sudio options. Realistically, to have reoving images onscreen you have to at least descend to encoding method, which selects 256 colours from the full palette. For fullscreen even further so the Run-length 7 mode.

the FMV option is employed. Also, the standard CDJ has no custom chips for polygon generation Routines for this have to be encoded in CPU (a 15.5 MHz Mosorola 68070). has its supporters. I think there are some Ian Hadley of Grentin Graphics. "Hy single complaint about it would be that I hallows that the proposition is

underpowered for the kind of game software wor'd actually like to put on the platform. Because there are no auxiliary blitter available - everything is done by the animation, the amount of sprites we can change and sustain a good frame rate.

Managing director of Mirago, Peter Jones, whose company is currently developing Abr Of The Robots for CDrelease later in the year, is also optimistic, I think people look at the processor and think, "Ah, that's not as strong as the PC, it's not even as big as an Arrigo", and all those criteria, and completely forget about the fact that here you've got PMV.

### If the technical specs of CD-I (spare

from FMV) full short of the new wave of platforms with double-upped drives, larger onboard RAM caches and custom polygon. histally, the software catalogue assembled by Philips was targeted mainly at the ABCI is as 'wordsy'. Games, such as they were, being heavily biased towards titles dedicated to such subjects as opera. French cookery or learning 35mm photography But games have now become crucial

admowledges the importance of the games out by the fact that games now account for 65% of total CD-I software sales (as of the worthy/boring sector). But although the number of earnes available has increased, the quality remains suspect. The problem has been in appracting

which no-one really wants to enter if the installed userbase is tiny. Philips tried to - all of the early titles - were published. franced and distributed entirely by Philips."

That sixuation is starting to change now, with far more co-publishing arrangements being put in place as the userbase increases, but so far little of real innerest has nursed up on the CD4. In fact, the games available to date have generally trod the low-cost, low-risk path, with most of there being simple ports. The most Scensing arrangement with Nintendo which gave rise to Link: Faces Of Evil and Zelde: year's bestsellers, Peln Springs Open and and Bettleshibs, for God's sake) are hardly the sort of product to whip up the garnes market into a buying frenzy. They might have shipped a respectable number of units. (Lynn-Evans gives a figure of 100,000 for Poles Strings Open), but they have excitement to have people rushing out to bunch, but even their gameplay is limited

But things are slowly changing on the

software from Argonaut's Creature Shock,

and Cryo's The Lost Eden are all stated for CD-i release. The fact that they are being produced in the developers' the major flaws in Philips' Much of the conversion work on recent titles has taken place at Philips'

in-house studies in Darking The response for this are twofold. Firely, due to the risks inherent in developing for CDs, software houses have maintained an arms' length relationship with Philips. And secondly. Philips have basically been running the 1,000 people have taken courses there, all part of Philips' huge effort to make the platform attractive to developers.

something goes wrong. A Philips document entitled CD-i: Frequently Asked Questions to CD-I is 25-50% platform specific and lowish rewrite percentage, though, Virgin's CD-80M-based 7th Guest ran into major problems. John Nortedge, software

teething problems. I think 7th Guest wa the first non-linear MPEG project it was very galling for Philips, though, The company had hoped that the gave would be their flagship release for the Indeed, it featured

heavily in their TV campaign that autume, before being hastily replaced by Kesher, But worse. was to come. In the snowball offect that Dorking set-up and

the gave's prioritising by Philips III BEOOFFARDONECS WRITE pulled off other

'Philips didn't properly appreciate the key role of games... They sidelined games development when

they should have mainstreamed it' Israury '94, Philips failed to release a single tide. Not good news for a company in the

reidde of a (3 million advertising correcign. As industry weekly CTW stated: 'It takes the assistore of a saint, and the skills of a claryogges, so work out the realities of

It would probably have taken a chiromons, one, to have aredicted the

uprwing in CD-f's fortunes at the tail end of 1993. Phillips obsites too horses solid 2,000 units. a week in the pre-Christmas period in the global userbase figure of 400,000. The CD.('s relative success in that period is attributable partly to Philips' TV

advertising careagign and partly to the company's increasingly aggressive targeting of the games market. But in terms of the important aspect is the release of the format's own PMV option. Grenitr's las Hadley agrees: 'The advance of the FMV cortrides trained it

that chiques into every box I shipped. I creation of the FMV thip which I think gave Phillos' MPEG decoder, the Digital Video cart, subscribes to both the Green

and White Book standards - although it didn't at first. The stobal MPEG. compression standard is intended to give platforms, but initially Philips' FMV discs failed to work on other machines.

The reason for this lay in the timing of Phillos' deal with movie glant Paramount in June '93. This preduced the Video CD include it. Philips were already committed

FMV rides released by Philips to date are CD-i-specific the first movie to subscribe to the White Book

the film market and music sector, but, with on extra 1.5Mb of

significantly increases the options for garnes What CD-i does exceptionally well." says Miraga's Peter Jones, 'and what will establish it in the marketplace.... is to be cinematic sequences that are becoming

CD-i players have four display planes: a foreground cursor plane; two fibit image planes; and a background plane. FMV is displayed using the background plane. allowing whatever is being run there to be other planes. MPEG1 compression allows 74 minutes of VHS-raskry video and CDannoying for film buffs who find that most films are longer than I hour 14 minutes. but Phillos, recognising the importance of

carousel player later this year. But the potential of the FMV garres market could be even greater than the as the way forward for CD product, or the images like those in Rise Of The Roberts Co.

games, CD-I comes up trumps - World Of Baxing or Space Ace, for some of the acceptial of PMV and make it. an integral part of the game's structure rather than a pretty extra, the situation could improve. Indeed, with a brace of higher-quality parts in the office, and the









prospect of Creature Shock and the heavily touted The Lost Eden appearing later in the year. CD4 is almost in danger of having machine could so wrong. FMV is hardly a sechnological ace up Philips' sleeve, though; both the CD<sup>11</sup> and 3DO are also MPSG1 compatible, with laguar scheduled to follow by the and of interactive music won't his its full potential

the year. However, what Philips have but no one also does in 70% of Polyware, the record company. The concept of the interactive music CD is something that is gradually perceipting through the recording industry CD-I is the only format so far making synarying use of a reusic base, and some interesting work is being done. Perfect World's Worlds Of ... was a worthy attempt Eurodersen's No World Order assessment the interactive angle (but failed); and Poter Gabriel's warb-lauded CD-ROM, Xolover I. is in line for conversion. Add to that the techno prochedelia of Hex's Pales and The Digital Norsad's interactive Club Environment and you have the beginnings of an

An important one as well. Paul Sanders, spokesman for The Digital Manual states: I don't see how CDsl can succeed if it doesn't exploit the music area of the interactive market where CD-I really fits; where Philips' original marketing strategy, promoting CD-i as something akin to a high-quality audio product, has some relevance. CD-I supports full CD-DA audio, and it was designed to integrate with hi-5 systems. When Philips' record coreany sin-ire are added to the equation. it becomes difficult to see where the

But industry resident rection

city visuals, it's hardly a threat to Vit

used allows four years hence, and CD-I has to do something in the interior. But reckoris Ian Hadley, it already has one there in the high street and you can buy it." To an eyeers, CD-i has forced Philips to reinvent themselves; they have been

transfermed from a hardware manufacturer with an active role in the quality of that software is still their sturnbling block, but if, in the next few that situation. Philips may have a nicely analysels of the 12hit generation. Philips. thornselves seem builtsh; with a £6 million

company is preparing for bastle off. It needs to have good software on it." more of EMV manerial is needs surficional material on it as well. Provided the range is there, and it's handled correctly, I think it's a format that will continue to grow

general move towards CD. Developers are inception to completion for CD formets. and, as Julian Lynn-Evana points out: When that's done properly, doing a CD-I version is nee an energous difficulty

pipeline, Philips seem to be committed to expanding their market. The 450 planer is the first market-specific machine to be CD-I capability is already in the offing, and sperades are on the way. Philips are keeping them firmly under wraps, but it is hard to see CD-I thriving in the

approaching format wars without 32bit architecture and a double-speed drive. whether it is a corner platform or not. In the final analysis, CD-I is an excellent machine for delivering MPEG

Whether that will prove to be



When the President of Tokyo realises there was a supernatural force behind the earthquake.

It puts him on the hit list of the demon world,

Add the Manga effect.

### And you've got MONSTER CITY

From the same director and creator of the Manga-horror WICKED CITY - this is a nightmarish film of demonic proportions

- full of mutant thugs, diabolic monsters and consuming human greed.

The Manga effect is also visible in

GUNHED
A live-action techno-hell epic depicting the ultimate battle between man and computer.
And THE GUYVER-Data
The UK's first monthly





VIBION, NO. WILLIAM TE, COL MACE, JOHN MACION OF METERS WOUNDERSON, SPATH RECOGNIS. POWERFORM AND AND ADDRESS OF METERS OF LEGISLAND AND ADDRESS OF METERS AND ADDRESS OF METERS OF LEGISLAND AND ADDRESS OF METERS OF METERS



## estscreen







### **Theme Park**



own city is. Well, imagine how much more attractive running a theme park must be: eager for a miner coronery, but you can also charge them ridiculous prices for tatty kitsch-

> This, in a nutshell, is what There Park is computer-controlled players, your task is to set up the ultimate thrill-laden park. Starting with a bare field, you lay out paths, install life Dreatening rides, and build shops and feet place tidy, a team of mechanics to service the rides. throw in a lake or two to make the place





### nch acreen is a Stille sin It's the only aspect of Shome Pork that is

what they think by means of thought bubbles. and react accordingly.

As the gave progresses and the results of your research appear, you can upgrade the initially suicidal rides to more statile versions replaced with a bowel-threatening refercoaster course; money to research new inventions,















don't give a toos at

so It's down to your staff to keep the place money to stock your shops, meney to buy new

rides, money for staff wages, money for rent... The amount of detail crammed into this initially simplistic game is incredible. For instance, placing an ice cream shop next to a customer will lose their kinch after a cuick resulting in what the manual gracefully refers cut of hand; employ more handymen to clear

wages, which could lead to a strive if you don't come up with a decent settlement, And so on. reaks some cash on the stock market and worry about the state of your tollets. You really do need to use every ourse of concentration in

aspect of the way the park is run soon sonds you lose all the research in which you've

already invested.

At this level the game is perhaps a bit too complex and clever for its own good - far more so than its nearest competitor, Sim City 2000 watch the park tick over on its own, unless you

there's enough variety and graphical appeal to reate the chollenge worthwhile. But, as the moruel says, just don't expect it to be a walk in the park.

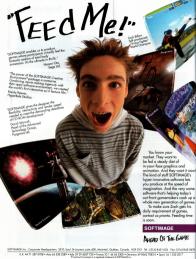
Eight out of ten Edge rating:





You could always leave the Bouncy Castle (above) alone so it explodes and wangs a couple of plate add - they came for Brills, after all, Your visitors are a mixed breech of the manual Finanti-





U.K. 44 71 287 0706 \* Asia 65 538 3289 \* Italy 39 39 6057 720 \* France 33 1 46 04 3300 \* Germany 47 8062 7083 0 \* Spain 34 1 535 2017

106 mega one: 081-663-6810

### Super Sidekicks 2









game represents a clear progression. For a start, it looks much better then the original. The pitch scrolls around much more create that 'big match' atmosphere.



team is winning, and 'Dohl' and 'Ashi' when a passes together with relative ease. Add to that

There are two criticisms, Firstly, the teams don't change ends at half time. Secondly, and





Edge rating:

Eight out of ter

### Wildtrax

Format: SFC
Publisher: Nintendo
Developer: Inhouse
Price: Call (import)
Size: 8Mbits
Release: Out now (Jap)





These people who see the petry, see and select and sele

correcter resting garne since, well, since Virtual Andrew Correct on the Mega Circle. But inviness Virtual Andrew Could be sent to the Mega Circle of the Mega Circle

There are the critiseon's tack options weathers (speed True, Start True, Bettle True and True) and True are the critiseon's speed True. Start True, Bettle True and Truesto Base, in Speed True, or cell piliper races there computer controlled case screen's avideous courses, burg to breath redesipoints in order to qualify for the east, even more possible for the east, even more possible true to the computer of the

or, were, practice traces.
Each of the four options others you a
thistice of three vehicles; a 480 (see, a, siston
te and a nongroup. Each whiche has its own
characteristics: the jeep, for example, is slow
but resilient, while the racing; and is very fast
but easily demagned. There are also three skill
better. Nivilion. Expert and Mastercision. Reach
the hallway point on any one of them and you
enter a books in recruit, this might involve during.

riding a sports bike around a speed circuit.
So, as a package, Wildhan scores very well
there's semething here for everyone. Sut in
terms of gameplay, it scores even higher. Just
like Starfox, the first Super FX game, Wildhax



One of the Masterciaes tracks. Driving across recentainces terrain like this is bet lets of him and very dangeroes, especially in wet conditions - it's not for novices



Tracks Whatever Wildran

hatever track option you select in lightest, you're guaranteed a ill-packed experience. The Stant Trax option provides a ultimate test of your driving

Down Trax. Selecting Speed Trax lets you take on the computer-controlled can with your aim belong to reach the fin

ce. The time limits are tight and the only thing that really matters is speed.

speed.

Battle Trax is a good twocklayer option, while Practice Trax allows pout to take whatever which a you like

hamps (above). The whole screen title as year car bounces around the tract

to immediately impressed. The control system seems awwward at first, but your perseverance will be revealed: after a few nouns' practice you'll be oble to powerside around a corner,



15 If this a Reyniphed lettrain, without he percently in cusethastic in it. In classic, from the percently in cusethastic in it is classic. Necropol feature, it's cute, but not schemingly so. From their headings yet to the vely they bounce and bob crewed the task. It's delivours that these care have changed; when ye screech around a bend, pashs of the care by off and one will higging behind, caching up again, judgit full and to you exclude your control of the percently seen to conver. It's all so, is these contribution demands on the percently seen to conver. It's all the percently seen to convert the set of the percently seen to be seen to

Mildrar? Well, unfortunately, yes, firstly, it's not as good for two players as it could have been. The screen update is noticeably slower in twoplayer mode and the splitscreen play

discover what an engrossing

paint of softwares this is.

In addition by planting well,

In addition by planting well

Interested with Statefier's graphics and still

reservation with Statefier's graphics and still

reservation of the Stat











### **Doctor Hauzer**







hee you enter a room, it's a good idea to search every



Double Hearen's manaion in full of traps. This thirdpenson perspective gives the game

and a set men and a set of the se

femous, the pendulum finely seems to be swinging flip Hawkins' woy. At this, Doctor Mauer – one of the first Japanese-sould games for the format – seems to be oast in the some mould. It may been more than a poosing resemblesor to Abore in the Quellon of the PC, but, given the seedlence of Infogramsis' groundbreaking.

excellence of Infogramon' groundstreaking game, that's not necessarily a bad thing. The game takes place in a huge mansion perched high on a cliff overlooking the coean. You play a detective who's been sent to investigate the mysterious disappearance of a

but it's not much use for judging jumps across gaps

someone — or screening — desert like the idea of yee snooning accord and has littered the house with vions and puzzles. Whereas thropismens' game used polygone to make up the main characters and create thelias animations, of yearth lines gas care goard leep further and constructed the etim game environment, the some view, with oil the sooms made out of specify detailed towards.

mapped poygeths.
The main scientings of this is that it allows
I writer of perspectives is to defined. After
pagest protein was that the fix cannot
be provided to the control of the control
visual versatility - you'd often find ensus of a
norm when your character was obscured by
objects or furniture, and the view couldn't be
attend in any we, Happily, Doctor Habrer
doesn't suffer fines such a limitation. You can
choose from Throne different views: Infegrence
choose from Throne different views: Infegrence

62





Blast your way into the next room (top). Try to stay one step shead of that boulder (above)

(through the eyes of the game's hero) thirdperson (the conventional "cinematic" view, easier to search objects using the firstonnon Sady, there's a downside to all this or a conidor with lots of doorways - especially



Doctor Hauper is a slow-peopl game proving across a gaping hole in the floor, while the

figure out how to move a piece of furniture to a certain part of a room, thereby opening a hidden door concealed behind a painting in another room. But thankfully, no matter how difficult a puzzle is, you're always able to work Onetry Hauser's comentou has a sirrete.

Take the cardlestick and lighter, for like a pun or an oil can are less obvious, but a bit of lateral thinking







Use the firstperson view (top) to search for objects. The thirdperson (middle) and overhead (bettom) views show more of the room at one time





elsewhere in the house, and this knowledge gives you the determination to penist until you discover screening of value. These few occasions when a door leads to a botteniess git or a flooding room, but that doesn't happen very often. One of the major criticisms leveled at gent and raised sense, in droug a congenerally revealeding. Let the game shrely observed less from generally in 100, if it eachly observed less from generally in 100, if it is eachly gain, and in the sense of the sense of the sense (as ye are one in the season, segments and only the sense of the sense of the sense of the sense from the season sense of a developed, in female less than the season sense of a developed, in female less than the sense of a developed, in female less than the sense of a developed in female less stages of the game to including on increases entranside miner can close, for this is come of too IBBs. too takes.

Sady. Doctor Housey suffers from the same

Souto facilitation (view of the GD update) in a Helle jernly and it sounds even bother – from the familiar-securiting state stars to the actual largeres accept, Capital Police or is a manifesti generalized to the control of the control generalized in the control of the control police of the control of the control of the control players. It have had been other characterism to interact with or maybe fight application, or among a bigger bost on be quistred, then Doobs Massare would have been an essential purchase. As it is, it is a positive and side game that is well within a lock, but don't expect it the is soldly include your

Edge rating:

Seven out of ten



### **Out Of This World**

Format: 300
Publisher: Interplay

if you swing the cage, the

volisher: Interplay sveloper: Inhouse Price: £55 Sixe: 1 CD Release: Out now (US) piled by: Reven Games 081-663 6810

hen Out Of This World was degrably released on the Areiga in 1991. It caused a sersation. French development team Delprins Software took a single side on flip-coren platform adverture, introduced reconstructory polygon animation, cinematic out scenes and introduce pozzles, and produced the most advanced patients.

of its time. But that we three pears egg. In the measures, COTV mas turned up on a wide variety of formats, and its appearance on the 300 is unfailed to have the some impact as the original. The plan of the 300 game is the some as the original after a scientific outpertrient good variety appearance good variety, you

game is the some as the original state a scientific experiment goes worsy, you find journel standed on an alone planet, from which you have to find your way home. Americadly, OCTP's story but shall made up for its sketchy scenaria wor. It supports you have the seprect, see, 300 OCTP's is no different to its occurrent to its committee.

predecessers.
Although the game employs the now formillar final error accode puzzle system, a lot of skill is attli required to get through it. In fact, you progress is lakely to hindered by a lack of digital desteroly rather than shortcomings in

digital destroity rather than shortcomings in your lateral thinning abilities. And progness is what you want to make, because COTW is the kind of game you can't stop playing. Applicationly, this is the test version yet the draigntamentals is superb and the bedgingrounds are and the bedgingrounds are

Assignment is the best version yet in a grant of the second of the secon

The same of the sa





### ometimes our hero can interact with those represelve hackdrops (top), Epsed is crucial

excellent, box, making a crucial contribution to the game's atmosphere. But it's a pity the impain characters sweeting lyes a focusity call the part of the carbonal through they more weet, they tend to look deals against such virture backdrope. But the main failing of 300 000 kg, and of the own socks it is that it is due to so soon. It is backdrope in the carbonal through through the carbonal through the carbonal through the carbonal through the

expand the game, but they missed it chance. The result is that, apart from a seathetic improvements, there's nothin hero; it's just the same game in a diffe package. Which is no bad thing, but most of us have seen it all before.

Edge rating:

Six out of ten





### KICK OFF 3 - IBM PC & AMIGA Can you kick if ...? Yes you can, with Kick Off 3, the explosive tollow up to the legendary Kick

with Nick Off 3, the explorers lobor up to the legendary Kick Of 2. Too International sides each with a different playing side compare for The World Conprocision for The World Condition of the Conference and side of the Conference and Set Price the sicks. Over 2000 traines of envirolments and Set Price the sicks. Over 2000 traines of envirolments and set to the conference and set to the conference of the conference the conference of the conference the conference the conference the conference the conference the conference the conferenc



### IBM/AMIGA/NAG From the makets and the all-time to Populous, Builting yet enother stunnit take the role of a r

case the cose of a regime that incide him has inharited a fortune from the incide, but decomme aunt. Your pool is to build the words: briggest and most excessful theme park. Not only do your very combine to build your very combine to build your very combine to make ourse from a purpose will be compared to make ourse from a purpose without or part of the part of th

### HMV-UNBEATABLE FOR GAMES



ELFMANIA - AHIGA
Elmania is a Beerl'Em Lip set in
fantasy word and is the first game
of its type that will give Arriga coment
to the common to ereply 21
megablis of high qualify graphics at
a rate of 50 frames a second
"This is the obsert an
Arriga conner is guing to get to
pening a plant-spec attracts"

mechine."



SIM CITY - (D ROM Enhanced CD-ROM

version features full screen video footage of Hollywood actors playing the roles of Sim. City officials. Hear and feel the action as you design and build the city of your theams.

### **Battlecorps**









favourable. The game starts with a briefing



dissolves to the cockpit of your RAM. where





gut a tower, and so on until you reach the end of the mission. Now, this may sound like beasen to some shoot 'orn up fans, but sady, off. It's as if the programmers were caught in a were too affaid to follow their idea through and However, if games were judged purely on capabilities. Although it employs the same

difference. The sprites and scenery move



count on the approach to two deadly missiberbring towers (visible in the background)

Six out of ten

Next visual touches abound. Fire a horning relacio at an enerry SAM and you're treated to

have been the best game on the Mega CD commended for attempting to give the flagging shoot 'em up genre a much-needed boost















### THE SEQUEL TO X-WING

THE REBELS THINK THE FORCE

EXPLODE THE MYTH.



Fig through the Robel France in size

ip through the Rebel front in : unique Imperial starlighters.

> New heat-stopping, startconocted baffes mill envelop you.

New you can experience Star Wars' from a new paint-of-view. From the creaters of X-Wing , comes TIE Fighter', the sequel that lets you fly for the Empire. The dark side of the Force beckons... dare you

respond?

FIGHTER

henced ultra-realistic graphics and gameple

Write to: Edge letters, 30 Monmouth Street, Bath, Avon BA1 2BW. (Sorry, no personal replies)

Informed opinions and intelligent debate about the world of interactive entertainment

I n the Leading Edge issue of your excellent reagazine. your optimize about the 300.

sechnical specifications. There advantages of the IDO platform

probably will, be released that and take advantage of its

superior hardware. The reaks all this possible requires

competition, the royalties will force Segs and Ninzendo to be loss greedy. I will buy one of

> Seres Dielestra Leiden, Holland

esculent riagizina, k seems to me that Edge.

supporting it. Great, but weren't products failed to catch on, and they were both in Sony's biggest. markets, I can't see Sone's 32bit

> lefferen Humber late of Winhs

espite being an Amiga 1200 owner, I am becoming incressingly 1200 owner, I am argered by the one-sided and

owning Edge readers [Letters. Edge VI. The Ames is a foregoing Edge has explained, they are not widely used professionally. If people feel compelled to write in videogame technology. Which is Bichard Drowns





pysoms that can program every machine by using a common ineguage still have a long way to go [see Toes story, Edge 9]. Here are a few points. What is the point of Segs, esc creating 50MBS machines if

What is the point of Sags, est creating SMHS\* such less if we use languages that slow then slow to 0.0-26MSS! It leaves that still sounds fest, but running a 35 game can size up a lot of processor cleas. When I design a game I try to use the machine's specialised.

Which I design is gave to use the machine's special silicon to peak the machine; the game to their limits. Soc games do not transfer well it other hardware (seen any P 7 games on the Mega Dirivel game is converted, it is likely need the speed of pure was code to overcome the deficiency

cood need the speed of pure machine code to overcome the deficiency of dissessible fandware.

I like using machine code, I can program quicker in code coly a than any other language I have



Face promises an end to hardware incompatibility and obsolescen (see Edge 9). But veteran programmer Jon Stimus isn't comisced

binary level) which translated on the quicker shan code DOS compilers. It two sectivical dire Systems are both

Systems are both engages programmers, and none of games we wrote used high-language. We wrote games has a secondary to see the secondary to need. We recutate this that the bedder of reas games programmers. Their has been verticen efficiency in smid. The We was chosen carefully to encopoulate of w concepts.

encapsulate the concept of common to all microper VM assembler has operat such as arithmetic, copy force effective addresses flow control (jumps, such continuous) jumps, such continuous jumps, such calls, esc), Programming Sia writing in susmithy Most wincorperces their own instruction for implementing each. VPC implementing each. VPC

and hence no less of efficivit occur. The potential inefficiency arises when it model does not much the capability — og chips with more or many less than I registers. However, the conversion to native coding performed by a program

We are not arrogant enough to believe that VP cor will always needuce as for so something an expert human could produce. But when I we writing fast action arcade anyle

One graphics residence to the "drew the background" in reciding or the "sprits" routing to the "sprits" routing to the "sprits" routing to the "sprits" routing to the "sprits" routing the "sprits" roung frames to en

'sg', how many frames to animate when the reas falls, happens when you pick up a object etc. I found that routines in category a) tended to take

but occupy 92% of the processor sines when the garea was running Rousiness in category to would take 90% of the project time to write but occupy only 10% of the processor sine. We believe VP god as will always but a least 92% or will always be at least 92% or will be at leas

always be as fear 90% or feat as an early code for crithodes programs. Consequently, by applying this so the code in catagory by you can save 90% of congroy by you can save 90% of 10%; speed penalty. Even a system which was only 50%.

speed jamelly.
This is why we have seen the rawdidon to convenced a game largely written in it. C. wid care routines in assembler—Down is a good example. Assumedon processors with collin will often excess a routine for the cache so fast the dry are limited by occareal resmony if bandwidth. In this case a more of bandwidth. In this case a more

my nyatoer, not attows any routine to be coded in VP assembler or native assemble programs can consist of both conducing legally. When provided with native routines Taos selects the one needed



Most of the original ATT team left infogrames to join rinal Delphina Software and played no part in the sequel (see Serge Plagent's letter)

small role in to development.
The Adeline seam is currently working on a new 3D game that should be out at the end of '94.
Being part of the Adeline team (but in Surrey to complete

team jobs in surrey or competer an Pills while writing the sound engine of our new genely. I thought you might be interremoted in knowing the true story. Apart from that fold-detail, all the people at Arbeiter and myself agree that your magaine in 'splendid'. Keep it that way! Server Plazenol, Guidford

Edge stands correcte



Jon Ritman (programmer of Head Over Healt and Meester Mari), Lenden At this point. Edge hands over to Tim Hoors, a co-director of Tao Systems...



Tim Moore (middle) defends Taos, the operating system he helped create (see below)

the specific handware it is running on.

Mr Ruman is an expert programmer but not everyone. Total allows a programmer so become competent for all supported chips and also provides a consistent references to the DC or the DC

unconvincing. Tao Systems would be delighted to challe Mr Ritman's comments in p with a demonstration.

director, Tao System (Hore information can be obtained from the TAOS conference on CIX)

The just read the little booklet given every with Edge E. Usually, bits of careboard attached so maga ere with a packed attempt to wangle a lightle every shift space in the Thesensageras. I should have 200

a pathetic assempt to wangle a librar and the first finde extra shelf space in the first AL200 ha exercises: 1 should have called that you were above such jiggery-pokery.

But although I read it with mark milks I. Shound no weekles

Has Pioneer's Lascellative system already gone to the great scraphogo in the sky? (See letter from Doke Roberts)

of Laser-Active. Does this mean that LA has ceased to exist? If not, can you snewer some questions which I'm sare you would nameally have answered in the booklet, had you seen fit so

the booties, had you seen to be include the machine.

I secure the machine plays High LDs and LD-ROM' in addition to the regular MD and PC Engine software. In there any likelihood of other forwars being added—like CD-ROM or 2000?

seemond of other horwas seem added – like CD-ROM or 3DO/ Will the machines play arcode LaserObcs! Will they play analogue LaserObcs! And do you have any release dates of prices for the machine yes! Delos Reberts,

> n'Active has not cassed to , but it is a rare beast — even gan. The chances of it being used over here in any bers are slim, so the chances urbar formass being added to archears stable are oashing paro.

oaching sero.
Arcade LaserDiscs, the Mad
McCee or Space Are, won'd
to on LaserActive because the
de systems use
cased hardware.

you did not cover the Aniga because 'it is not widespreat'. Oh really if you only cover widespread machines, why do you review the shake laguer and the unavailable JDO! The A1200 has sell over 200,000 units, compared to (as you said yourself) only 10,000

London

Nistando's Epo according to B nes.

Yet they seem Of on rapourware As due W Invary 1992, I

juriary 1992. Sags first sanounced their plans for their Mag CD. Only three days later, Nineendo assourced their plans for a SHES CO, which of rourse would have a faster processor and be sold at a chasper price. Nineendo also arecunced which Nineendo also arecunced which

Edge is mainly interested in new

espite rumours to the

tides were being worked on and chamed thirdparty support.
Six records later, at the Surmers CES, while Sap were showing their finished CD unit or developers. Namedo amounced their plans for a 32bit unit. Once again, this had system specs. basic this designs, promises of

thirdparty support and tides in the works, etc.

A liste over two months later, and days before Sign officially stamed dwir production of the Megs CD, Niestando struck again with another invisible product. This clime, they amounted that they had some up with Sony to create as international standard for CD-ROM technology. A deal which quickly fitzled out and le to Sony developing the PS-X. Now it seems to be happening again with 'Project

happening again with 'Project Reality', announced as the 3DO and jugan were nearing release. All anyone has seen oil is finity demos on SGN: Oraps' system. If you want suchinizing to 10 himselfs and yet fasciful statements like, 'to will be four times more powerful share the 'PS-X and eight stress."

Nietando's Epoto Hits contro of a vast videogeness compire and according to Barkl Oldridge - the source of much corporate hot air

> or go to SGS and get info which seems to communicate everything Nimotendo are spring. To top it off. Nimotendo recently primed a revo-gage of in an American reaguiste which criticated Sepa for being "full of het an". This of hed its own supply of het sir, shough it exaggerated the speed of the SMSS and insent than the SMSS and insent than the

reachine could aborn with no loss of desst, etc.
Nercondo have a lot going for them with the SNES. They could be promoting what they have, instead of what they don't have. That is what is discouraging.

David Oldridge, Ontario, Canada ses seem to be an air of a surrounding Nistando, a serodusts like the even

n-useful Game Boy adaptor for the SNES, the 32bit "VR" system and, of course, Project Reality, Having said that, Nincondover cesse to amaze; just whe

Esting read Daniel White's letter in Edge 9. I feel compelled to A4000-040 is a powerful set up.

excellently, but at \$19,000 it is (complete with Industry, 14' disk) is cheaper than a Touster-

real beasts like the Chryx Engine'. the A4000 is more powerful than true. The A4000 year have a ACCRETES, but the CPU is more in the region of 60. Compare this so the Indy's CPU, the R4000,

itself to garees. For example, the

it more efficient and better

According to my dictionary, to organised, or to simplify it. Any sessoned computer user will tell On a different none, I

generally agree that the quality of than in the Wa But there was also a lot of crap in the '80sanyone remember that jovial pain-in-she-area tune for Discryl

marketing behind the REC PC. It

Royth



Sonno's terrar in Edge. 10 has out me sufficiently regarding a major flaw in you otherwise excellent journal. Mr reachine. You replied that the

systems, and that Edge gets to There, indeed, is majority of your

readers have not been offered (and

affordable 32bit CD-ROM games for a full year before Ispuer or

even though it is quite possibly The more general problem. as far as Edge is concerned, is

UK (1996, areasel) you will be effect, you will be locked into a passern of perpetually discouraging your readers from available at any given time

I don't suggest that you stop covering these new

Glasgyw The main reason Edge has

at the end of 1990, games like superbly playable soo. 'Affordable



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# retroview

**Edge** suffers from a severe bout of nostalgia as yet another title from the distant videogames past succeeds in putting current offerings to shame

# Stunt Car Racer



















Mouse thought it could be done but the GGB version off SCIF wanged to retain off the Hells and policy of the Antiga original and it looked pretty ament, too

strepting against the other computer or appear according to the common opposition to the common

many, or say the issue, I rely in just about e innough for two cars to go down side by, i, they ire constructed from polygons, the program of light dires beat there, and provide beating the word's taggest and provide beating the word's taggest and incid collectionate. The celp thing that issues your car on these prev, uncluding tracks is skill. There are no next to stopy you from palying off to your lens to stopy you from palying off to your press to stopy you from palying off to your. indestructible, though - crocks oppear arcord the windowners to indicate how much damping your as submined and how much more you can wifeed to take.

Unlike many of its contemporaries, Start Can Racer closes? I allow you to see your can you will never you will be submitted the

windscreen. But this obsern I detect from the generality in the slightest in fact, it enhances that all important being of being there. As that had of himseldary to enly just beginning to be incorporated from residenting scene.

Start Car Recorders no in that predictable old whings, they don't make "on like they used 15", in fact, it's supposing that no once had predicted controlling it in 1864 consideration of the controlling in 1864 consideration.

used by. In fact, it's surprising that noone has bothered converting it for 16bit consoles; with today's in-cart technology, SNES and Mega Drive owners could have enjoyed one of the groatest nacing games over.









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PC Engines the Bot console that made is his shroad bot is still regarded as a cut it in the U.K. Edge takes in Found Professori's II. Bulling, the company behind Professori's Protectionary and Systems about their things and Systems about their things and Systems and Systems and System's Society of Areas (System Systems (Pasisonal Col ROM), France Class II (PC/Avaiga), Samour Steaker, Class II (PC/Avaiga), Samour Steaker, Class II (PC/Avaiga), Samour Steaker, Class III (PC/Avaiga),

# (CD-(); helyCar ()

The hard sell Edge hosts at how videogenes are marked. Full PS.X sech pace, Tagazan developers sail about the future of the verifit first 64bs residing. Reviewed for And Mist PGC, Gonon Folder (Arriga), Selot faceoit (PC CD-ROM), Connoc Colors (Connoc Colors), Maria Selot (Arriga), Selot faceoit (PC CD-ROM), Connoc Colors (Daport, Med De, McCre (DCD), Selot 7 (DCD), Capter Edection (DCD)?, Accorder 2 (PMIS);

# Edge 6

3D graphics where they seem two and bore they're reads. Like Yeige SES report. FMV: the story of receives on CD. An Audience With Archaer HELLan, the read belief Deplaces and jump Which (SCO), Adultion Organics and jump Which (SCO), Adultion Organic Section (SCO), Adultion Organics (SCO), Adultion (SC

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Reviewe John Modder (BDO): Ultimote operating system. Ye Suzuki: Segs's ensertainment, Reviews; Utime VW (PC); Pebble Booch Golf (SDO): The Horde (SDO): Febal Funy 2 (PCK): Art Of Fighting 2 (Man Goot): Subar Marroid (SNES): The

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computer based graphics and animation with familiar with a variety of 3D packages such as Alsas, softimage, Wavefreet and 3D Studio. A background knowledge of design would be preferred but not essential.

a



An audience with



involved to any extent few years, whether as a will at some time have felt. founder of Virgin Games, and then the MD

# **Nick** shaped the videogames industry. **Alexander**

Founder of Virgin Games. ex-chief of Sega Europe... Nick Alexander is a man who knows what he's talking about. Edge listens

Before he got into videogrames, Nick worked for EMI, analysing market march in in the UK for Segs. And over the last few followed. But last Christmas, following a After fighting the resulting fires, Nick decided it was time for a change, and business as the MD of Pearson New Entertainment Europe. This has allowed

him to take a breather from the

of publicity associated with it Nick is young for a managing director - he's not yet 40 - and must be one of the few executives who still reads the NME or has any kind of grip on popular culture. He lives in London, in a pleasant house by the the headquarters of EMS, the company symphesiser). He owns a Mega Drive and a between laptops at the moment this last still waiting for a new one), he is currently

Edge How did you get into this business? Nick Alexander When I left university I went to be a graduate trained at British various different aspects of British Rall. and what we'd learned. On Friday all week long, I thought perhaps I could started a conversation about this very makes were band I'd been reading about in NME. Silence fell across this table of people eyes like saucers: The always wanted to most someone who read the NME. Then they went back to talking about trains, and I realised that perhaps this was not quite

companies and they all wrote employ people outside the record industry'. Eventually I got a job at EMI as a business could get. Six months after that planner. So within a year I was working for EMI Records

Eventually I got a job as a label there to HMV Shops to be their marketing manager. My job there was trying to help them take business away from Virgin. In fact, we were very successful.

Unsurprisingly, I got a call from Virgin saking me if I warsed to go and work for Edge So how did you end up working for Nick I didn't work to do the job they

thinking about setting up a corrector game company'. So he said, 'All right, we'll do that then'. So I started Virgin Games, which was in about 1983.

'I actually think that Mars is the best-positioned games machine, because it enables people to get into 32bit without having to shell out all the money'

offered me. I got a call from Richard Brasson, because the managing director of Virgin Retail had left and he wanted to talk

'Acqually, I don't want to do that. I've been

What's happened in the last ten years is that we're making flashier versions of the same

Mich Acquabe, when I was at school there. was a computer option, which I did, I tried operation of the Metropolitan and District was part of at the end of my time at university that Pear came in No. 1975, and after that I used to spend a lot of time in a driving garnes. One of the things I'm hoping to do is to find some time to play some of

afraid, like A Trein or Asilrood Tycson (Isughs). Okay, I liked trains, but I just wann't as obsessed as the rest of there! Edge Which of the opcoming games Nick I arrupily think that Mars is the bestpositioned games machine, because it enables people to get into 32bit without problem is that everybody is aware that

32bit is just around the corner, and they're happened in the last ten years is that we're that actually probably worked better on the Ateri 2600 or the Sinclair September There are very few game genres that have

been developed. Games like Sim City and can certainly count them on the fingers of two hands. If anything, it's the creative technological improvement and the ability to take the business forward has become a surrogate for creative thought. I don't Anyway, when the 32bit machines come

out they're going to be £400, and that's not ening on he a mass marker. What Mark manages to do is let you buy for £150 something that gets your existing equipment up to 32his. I shink the such spec of the Sony machine sounds very interesting, but I don't think there's much don't think one should dismiss 3DO, and

who knows what Nintendo will eventually

It's going to be very competitive going to hold to choose the hardware, and if

industry has taught that if you wait till nest year it'll be chapper, and maybe it'll be easier to make a choice. I think it's going to be a bloody bastle out there. I think we're a long was

you wait till next year, it'll be better, it'll be cheaper, and it'll be easier to make a choice'

interesting thing which helps games take a sten forward. This is what I'm going to do now with Pearson. I'm not intending to be involved in sames in the immediate future. acquire some knowledge and assets and property in those other areas, which can then be blended in as and when there's a Edge Do you think consumers are too Nick One of my chief bugbears in all of

that the influences and products that come

this is that, accusily, all businesses aren't and about what things to deliver to the frightened that they're getting behind in the such company that's what you're trying to best. But very quickly, as soon as

something new comes out, you're not the better values than that to really build the market. I think what people are looking for is entertainment, and the machines that deliver the best entertainment are going to be the most satisfying. But that doesn't terreted to try the new technology.

Mich Absolutely, Sores people believe in 'The Black Box' - that there will be a



we're moving in the opposite direction. Nick I shink ICs Inchine for direction. I think for game design to move forward it. 'If there's one thing the consumer electronics industry has taught consumers, it is that if

needs input from other creation areas, and multimedia. What most people have been something they can build a bigger game on. Computer Arena in March this year. about ourselves being in the garren husbasses I think wa're actually in a much broader industry than that. But we've got locked into games design as being about

setting into the video and consumer

ragazine publishing business, and I think

device which will control the preentainment manufacturers are gearing up for the big battle. I think that's completely misquided. and the world isn't going to be like that. I domestic network with some kind of protected to enable different things to communicate with one another, and that Maybe shere'll be a PC, she cable box, maybe a specialist games machine, video recorder, whasever. As a result there isn't a single war to be won. I think that simple them consoles - are absolutely the





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Questions, queries, doubts, disputes... Only Edge has all the answers

E. I. When will the UR

I. When is the official decent garses... buy American'. See the problem? 2. What is the propose 5. Eultroe are banding the 3. Have Konami or Capcors shown any interest in the Japan (Sire City 2000, perhaps/) and

Nick Dorey, there be any difference to the I, At the moment Jaguars are dribbling into 4. With regard to the 3DO card Rurebelows are supposed to be on its systishility has yet. Also, serabose no £2.69 for a while. and Capcors are unlikely to sign.

marketing of the Jaguar in the

5. Are the numburs of an even more powerful IDO due to assess in 1995 true! If so, would it be more expensive and would it be worth waiting until then to

L. Around September and probably over £400 2. Sarpo's reaching will 3. Yes; that's the whole point of 4. Of course, and games like

Alone in The Dark are stready on 5. Trin said as much in Edge 10 hardware to arrive. III I. What on Earth are floating point operations per second (FLOPS)

3. Which do you think will get the Saturn or Ridge Racer to the consoles' would you buy Ben Jones

II I. FLOPS are a resease perform every second. In terms



box in UK abops by nature this year (see letter from Darron SIII)

of games, they're a useful benchmark for a machine's

matching the performance of the Model 2 arcade board. Seas, like Nissenda, use lass of 'off the restriction on the number of PlayStation has a better chance of replicating Aidge Rocer than the Sature has of duplicating Daytona. according to Saturn's current and apparently final - specs Monager, It's possible that Sees's Doytana programmers will be more familiar with Securit's

help of some great titles (when respective inconess bunches. Let III I. Can a UK Nen-Gen

the garreplay in Fidge Racer for

for any adaptors and without any difference in speed 2. Are home Neo-Geo systems compatible with Neo-Geo arcade that there is a size difference! completely different to Neo-Geo cartridges! Alan Partridg



### The Next Gen MY-FZS is a single-sist JAMMA-standard PCE that plays Neo Geo NVS arcade cartridges (see letter from Alax Partridge)

buying a Jaguar, but a Jaguar 2 in 1995? I don't want



2500 (and Battlezone 2500 is on 4. Why is an Edge subscription

L. Jaguar 2 was talked about in Edge 5. to see anything on Jaguar 2 for a

magazine keeps you as well informed as Edge?



they both use MPEG, WILL then MPEG cartridge before I am able of an MPEG upgrade, as Bob. Paber suggested in Edge 8. 3. A special spinode of the TV

5, Do Future Publishing have any

Philip Boyce.

I, IDO has its own

for an MPEG cartridge.



300 John Madden Football, as seen on Channel 4's Equinax; is it s

Next month

# CES











